



NEMAIS ERP

**(Navy Enterprise Maintenance Automated
Information System)**

Brief to the Fleet Logistic Support Improvement Conference

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USN**

13 Mar 2001



Agenda

- ERP -- What and Why?
- NEMAIS
- Phase A: Mid-Atlantic I-Level Deployment Status
- Afloat Proof of Concept
- Other Navy ERP Projects

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What Is ERP?

WHEN YOU *HEAR* THE TERM ERP
THINK:

- Transactions / back office operations
 - Involving money
 - Involving people
 - Involving products / assets
- Business rules / processes
- Integration of these processes and data
- **Foundation / infrastructure** to enter the world of
- e-commerce
- Speed and accuracy in products, services, and decision making



Why Are We Pursuing ERP?

SECDEF

- Readiness
- Deterrence
- Modernization
- Transformation
- Reform

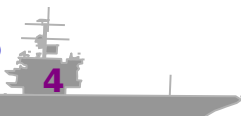
CNO

- Manpower
- Current Readiness
- Future Readiness
- Quality of Service
- Navy-Wide Alignment

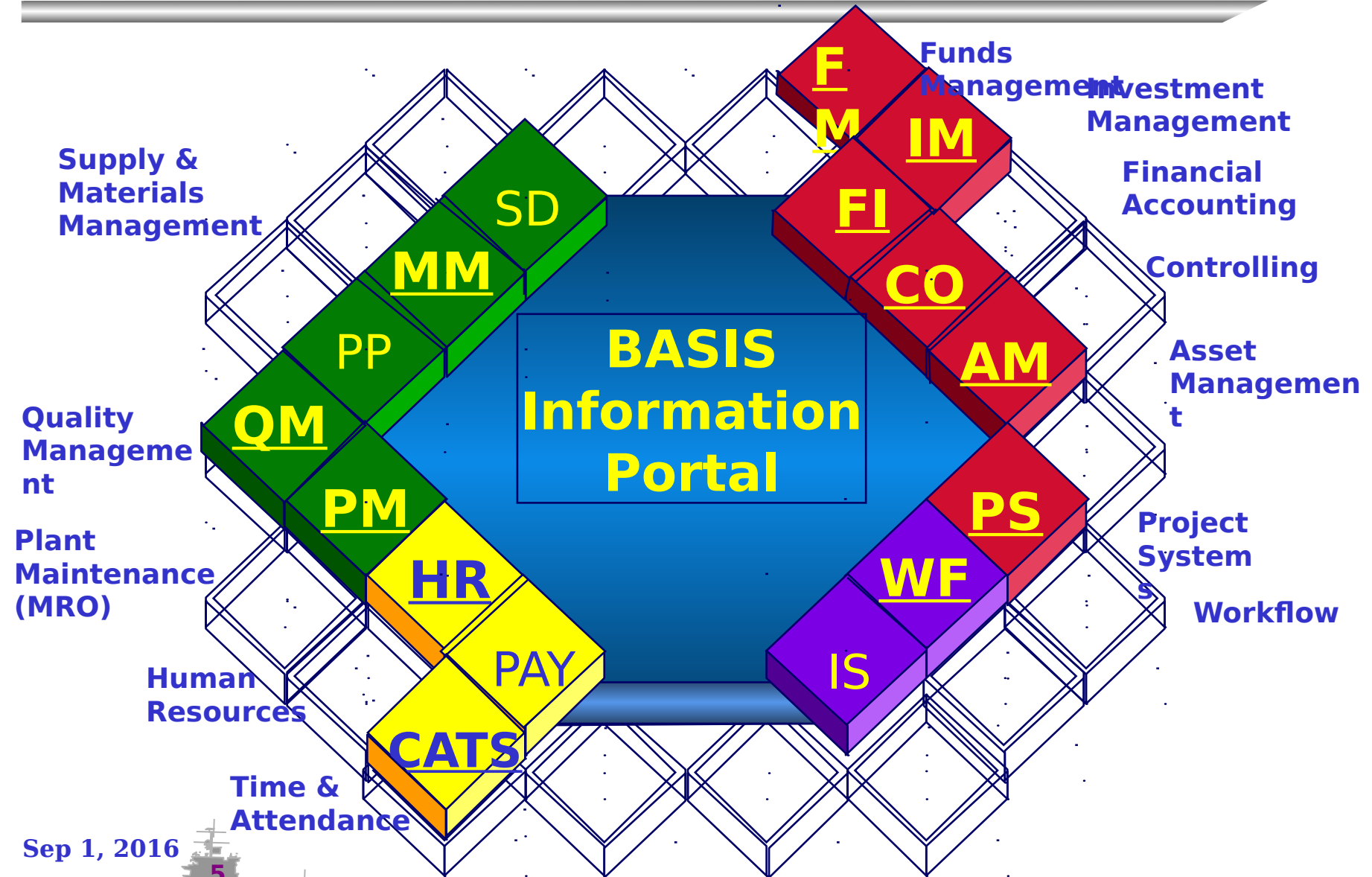
By . . .

- Providing Timely and Rapid Access to Information
- Supporting Total Asset Visibility
- Enhancing the Planning & Scheduling Process
- Providing Better Decision Making Tools
- Reducing the Total Cost of Ownership
- Minimizing & Simplifying Data Collection

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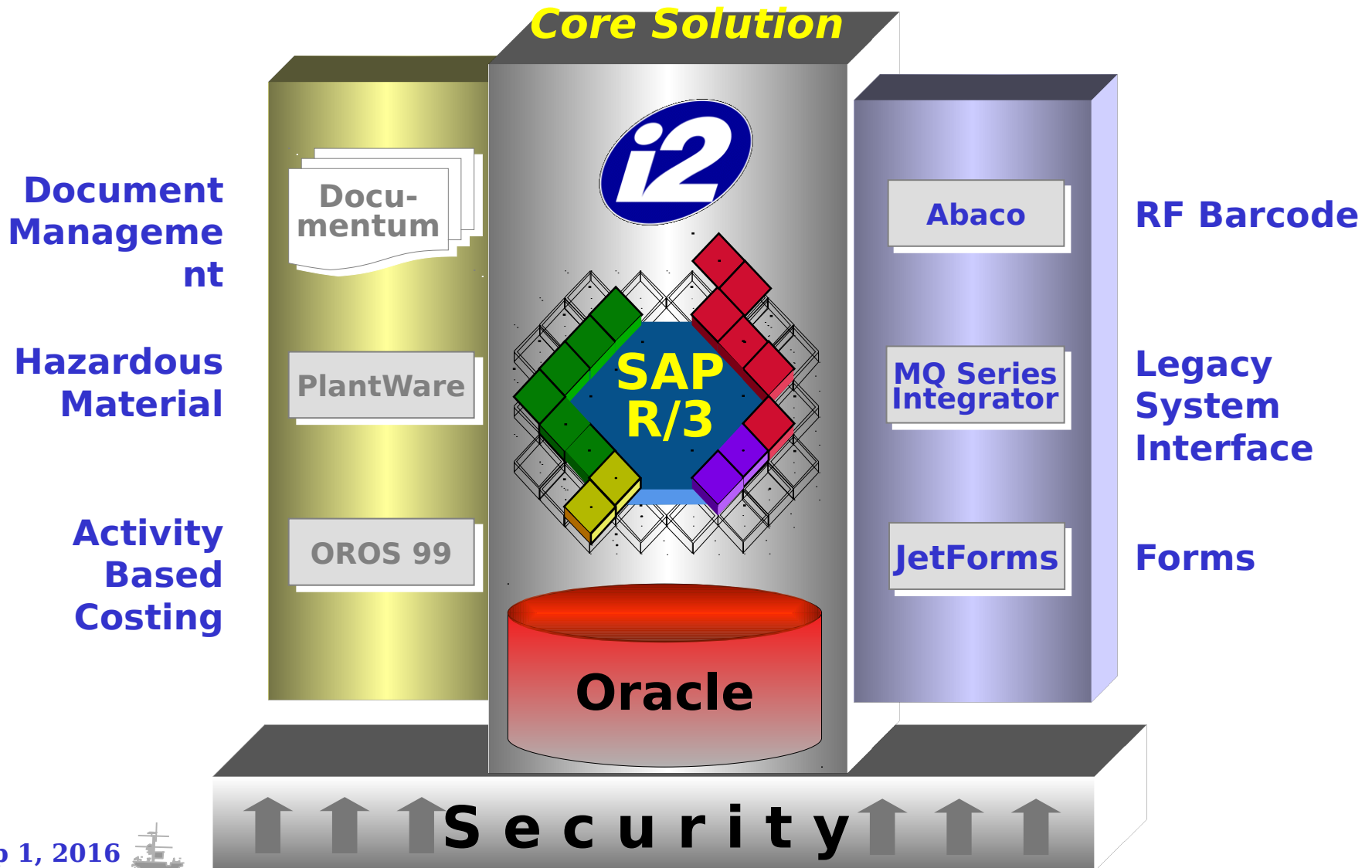


SAP - An "Off the Shelf" Backbone





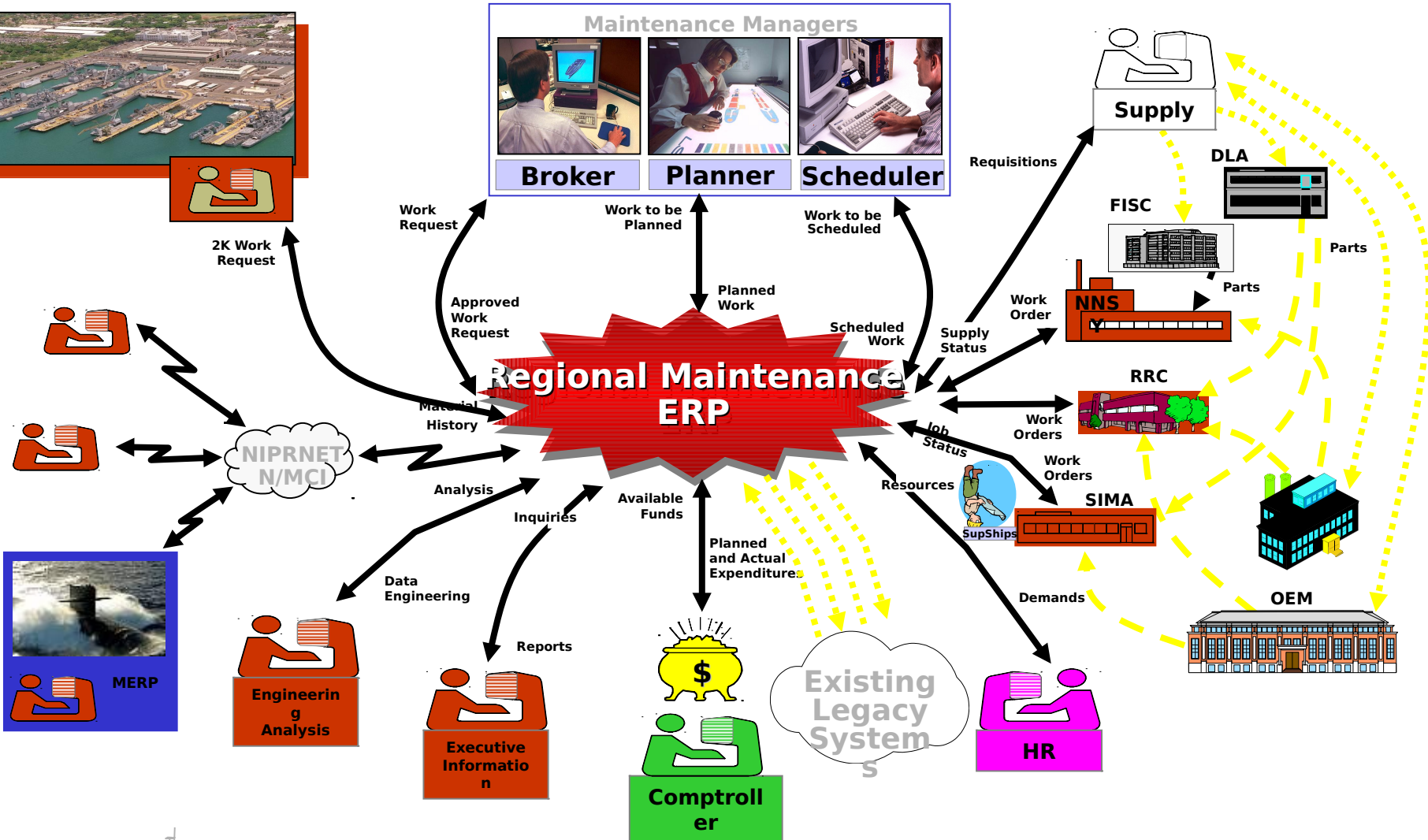
The NEMAIS Integrated Solution



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The NEMAIS - Vision





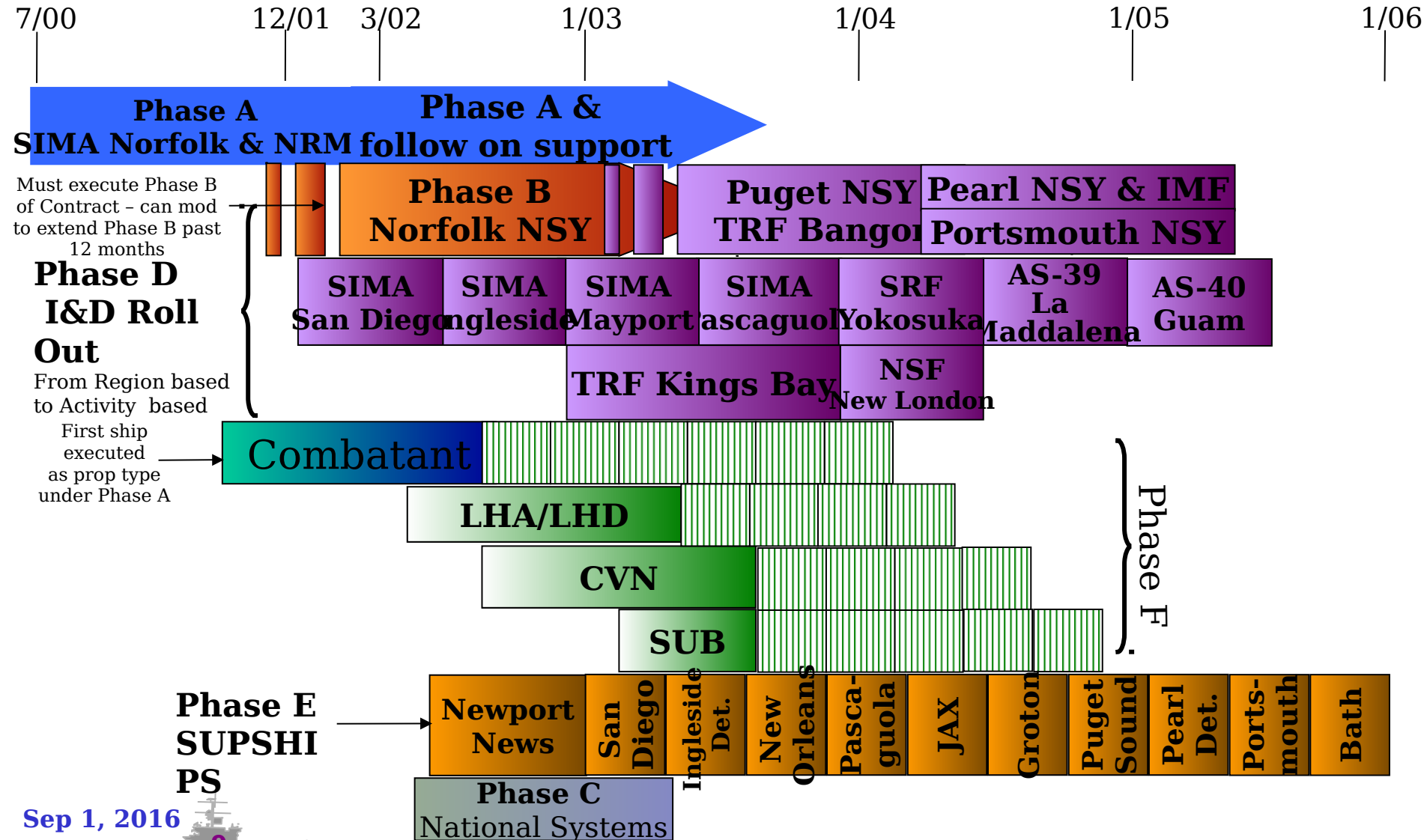
Scope of Vision

- Number of Users 28,000 personnel in Intermediate and Depot maintenance activities, 10,500 work centers afloat
- Over 99 legacy software systems ultimately replaced or incorporated into solution
- Phasing
 - Phase A: Mid Atlantic Regional Maintenance - 12-18 months
 - Phase B: Norfolk Naval Shipyard - 18 months
 - Phase C: Legacy Data conversion - concurrent with Phase B
 - Phase D: Remaining maintenance regions (7)
 - Phase E: Supervisor of Shipbuilding sites
 - Phase F: Mobile Enterprise Resource Planning (MERP) 300 Navy Ships
- Contract options all phases
 - Phase A awarded
 - Navy retains option to compete phases D,E, and F
- Deployment strategy to be re-evaluated
 - SIMA solution to be deployed simultaneous with Phase B



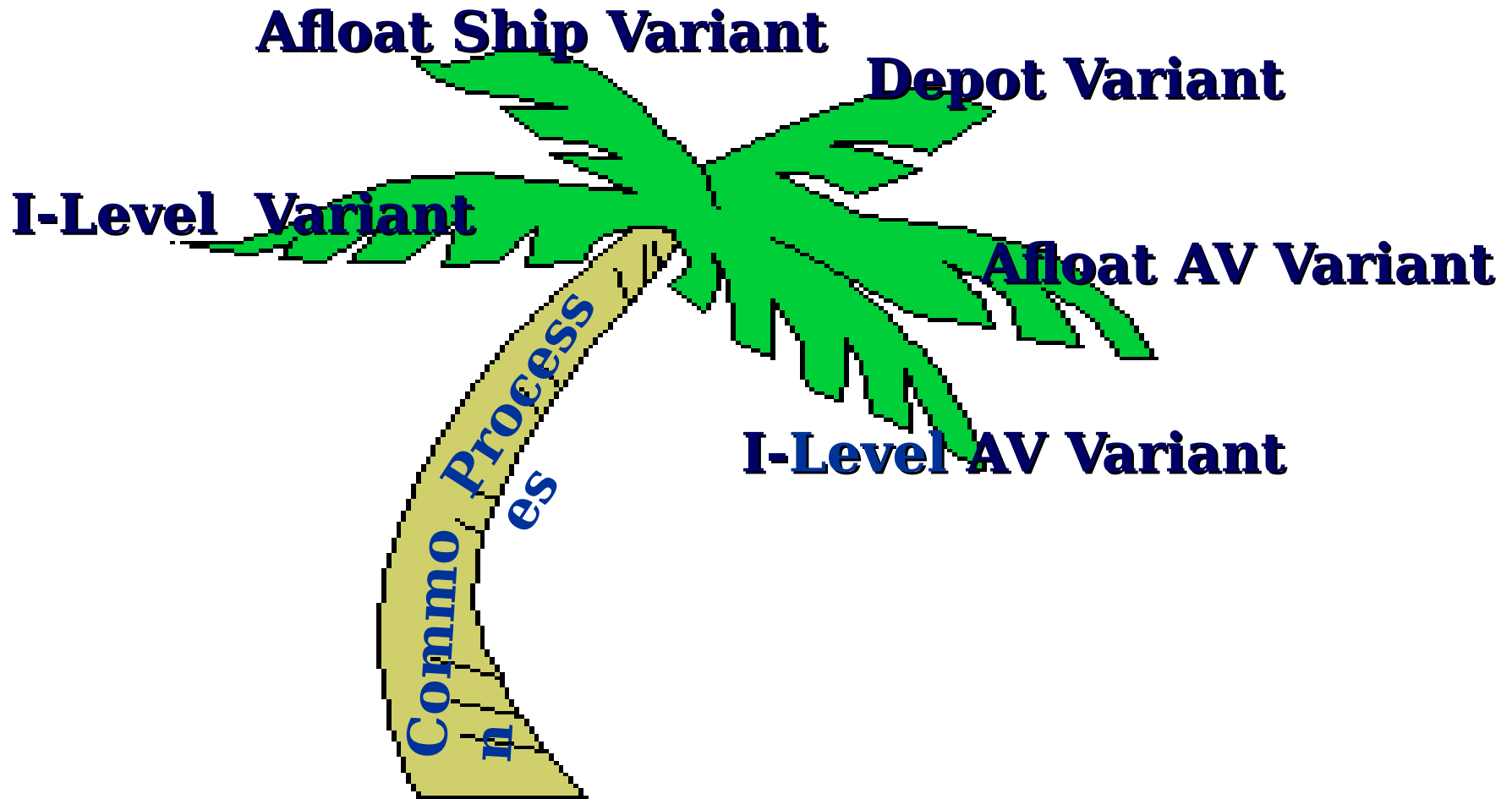


Notional Deployment Schedule





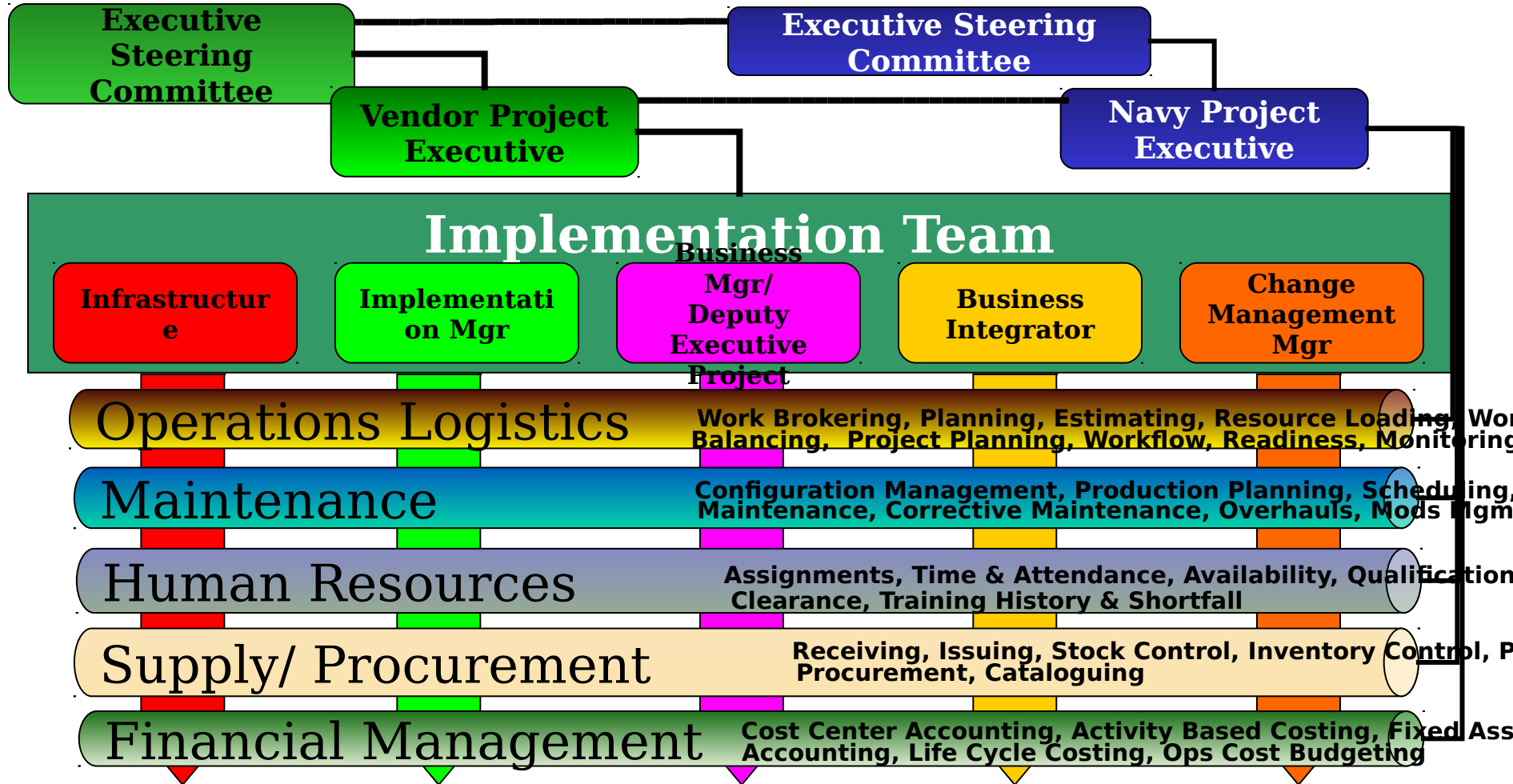
Build on the Common Processes



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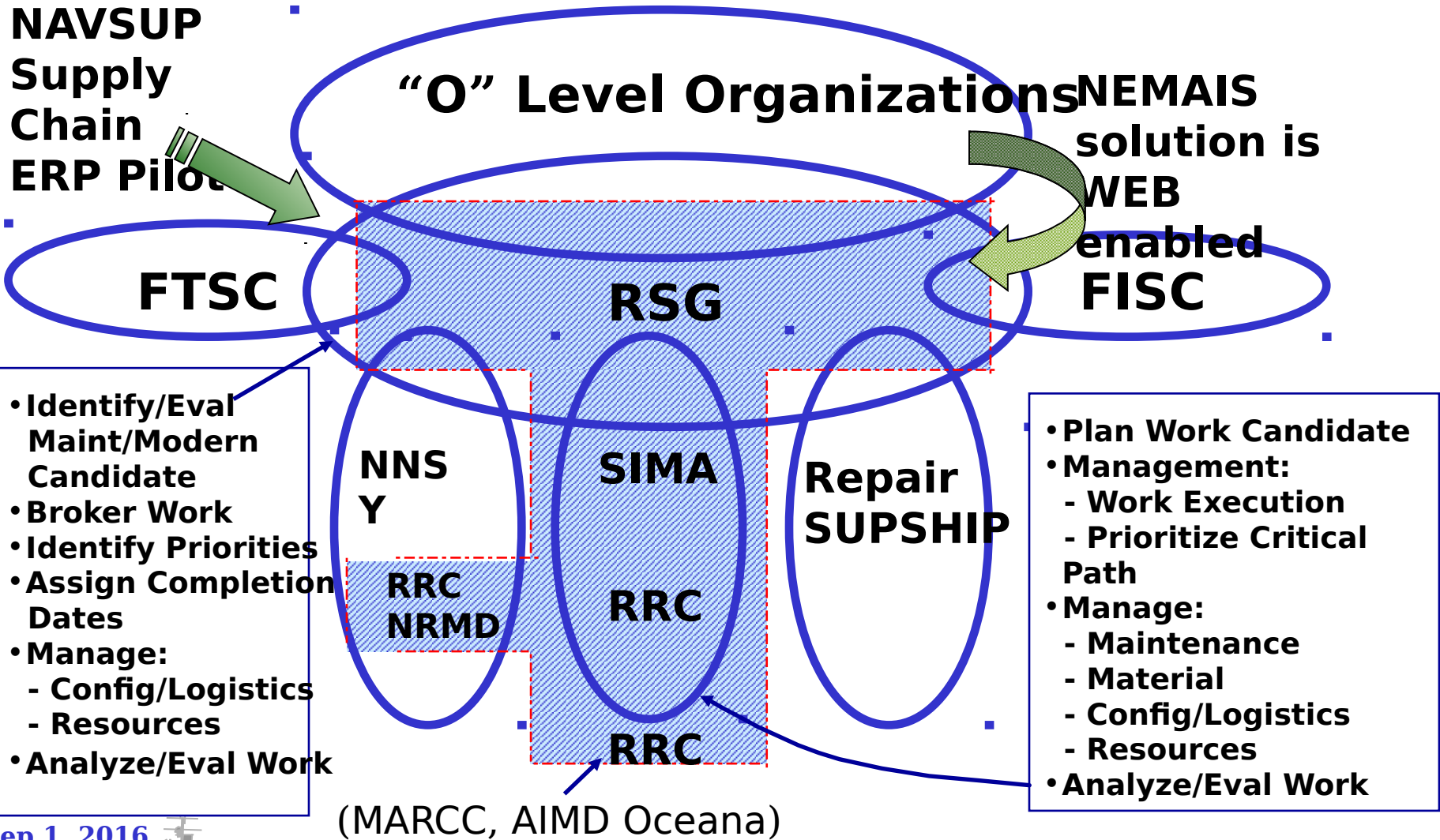


The NEMAIS Implementation Team



NEMAIS - Scope of Phase A

NAVSUP
Supply
Chain
ERP Pilot



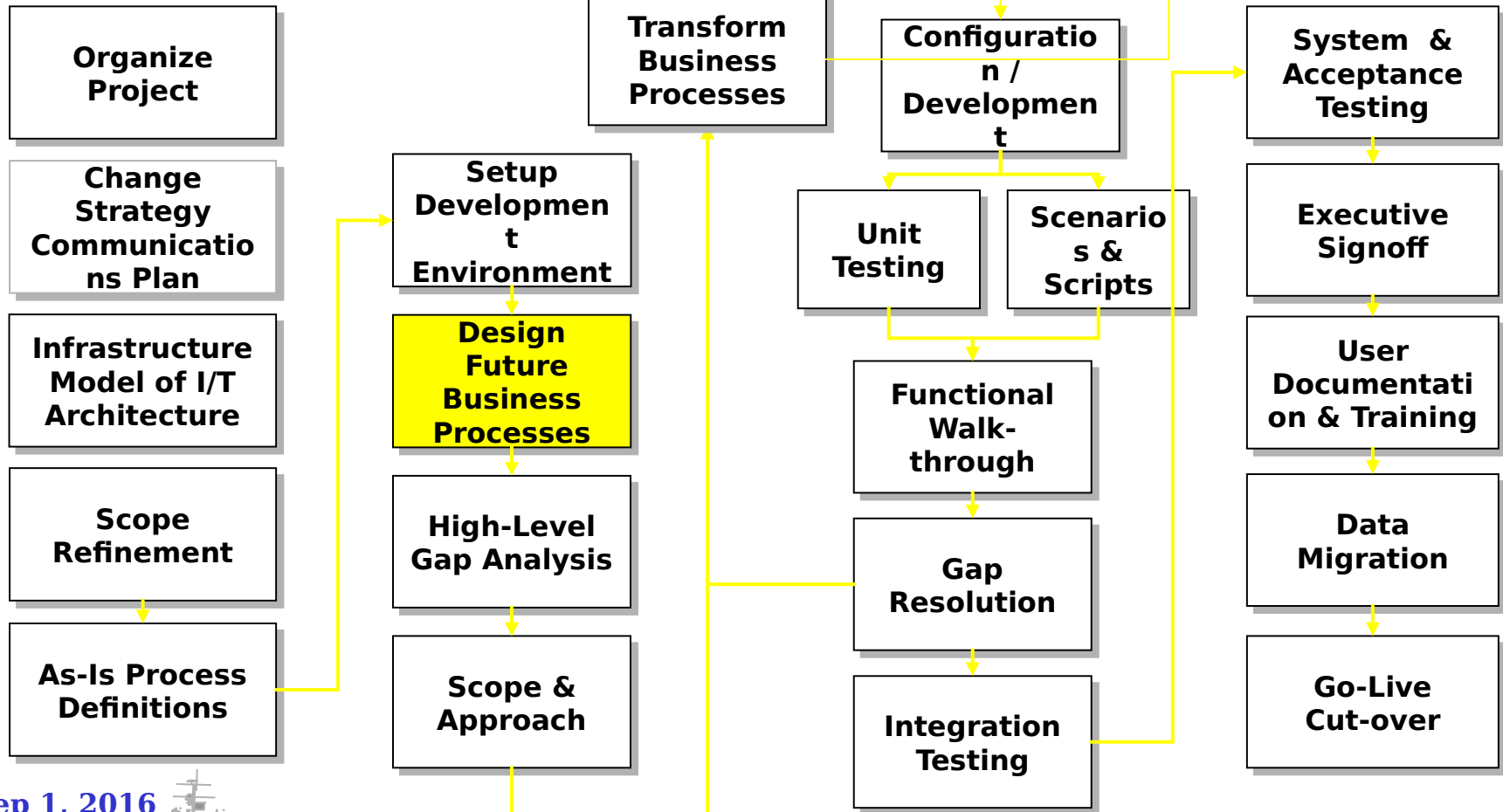
Phase A Development

PREPARE

**DESIGN/
REDESIGN**

CONFIGURE

DEPLOY

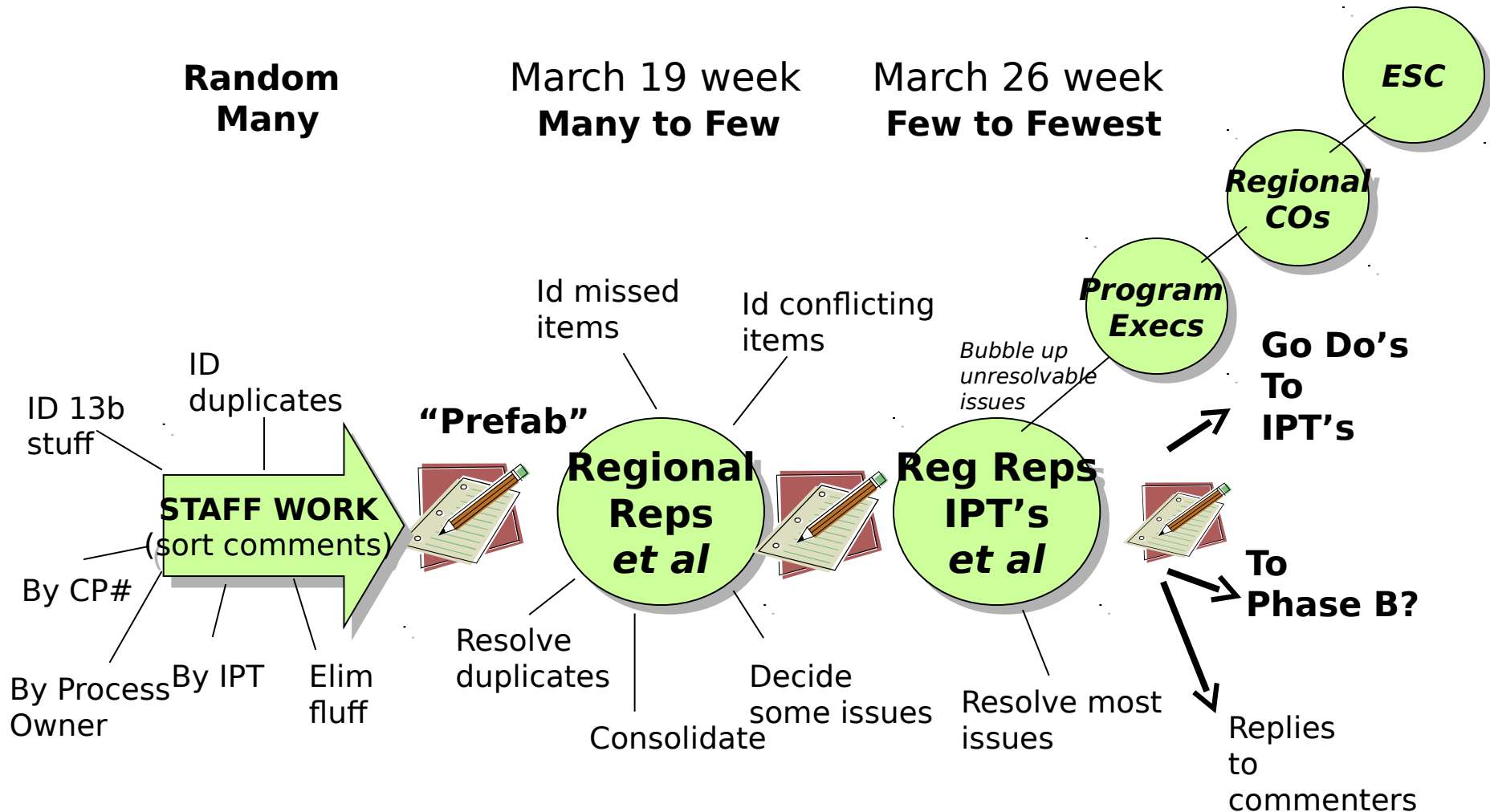


Handling “To-Be” Process Comments

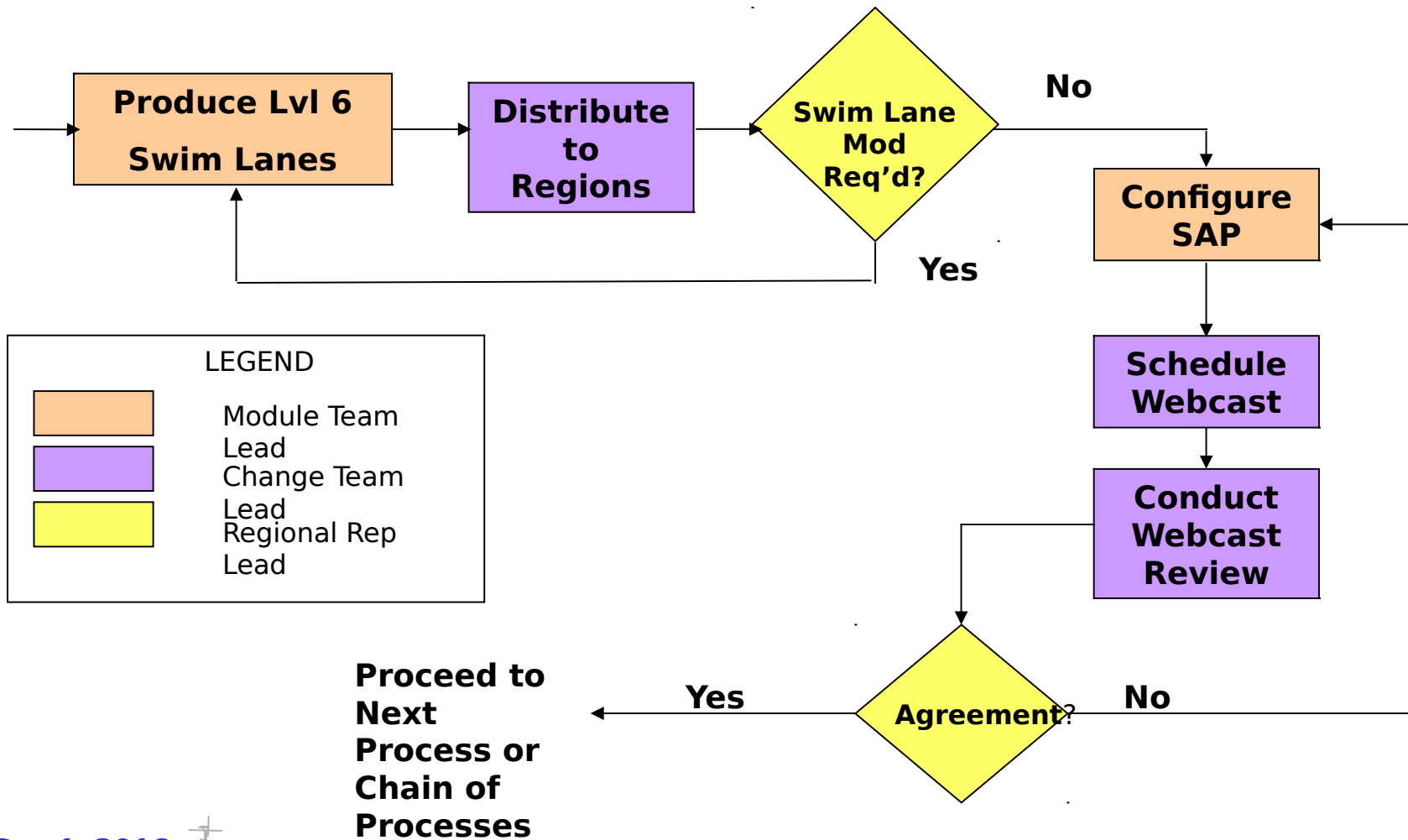
**Random
Many**

**March 19 week
Many to Few**

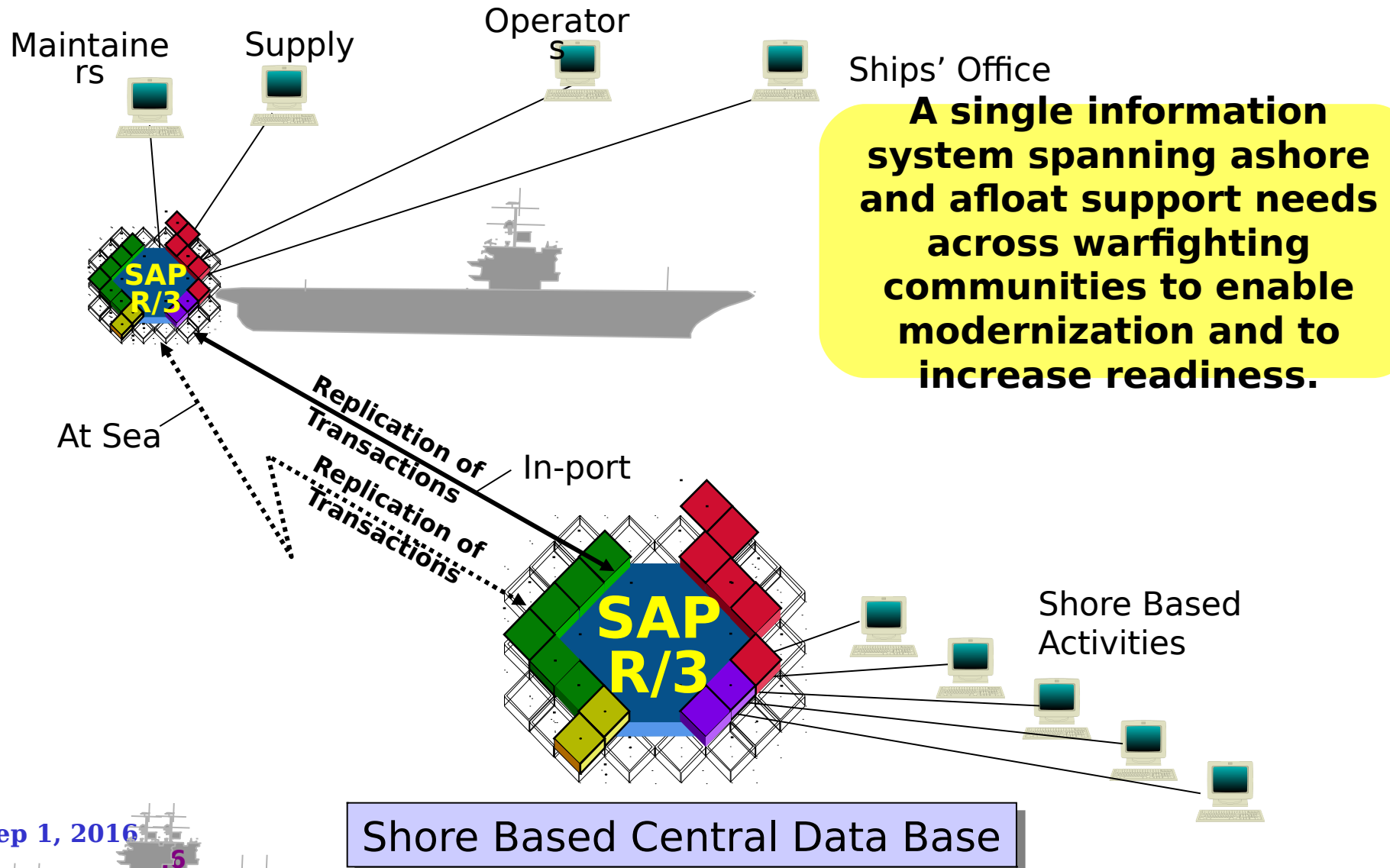
**March 26 week
Few to Fewest**



SAP Configuration Review Process



Afloat End State Vision





Afloat Goal

- Implement an integrated enterprise solution afloat for maintenance, logistics, supply, finance, human resources, and administration, fully integrated with shore-based enterprise systems.
- Apply lessons learned from ISMSR/FRB direction to integrate maintenance and supply
- Enterprise Resource Planning (ERP) is about Business Process Reengineering and integration
- Three major business processes on board ships are:
 - Manage all work and the workforce
 - Administration and support of the crew
 - Reporting





Principles/Assumptions/Constraints

- No tactical systems/processes will be considered
- All non-tactical on board systems and databases will be considered
- Security/classification is a requirement but not a criteria in scope/functional capabilities definition (IT Solution)
- Must include sensitive personnel data
- All actions requiring scheduling of events/work will be considered
- All maintenance functions will be considered
- All supply/financial functions will be considered
- All reporting, both on and off ship, will be considered
- Interface, bolt-ons, system sunsets are not addressed in requirements





End State Vision Requirements

Manage All Work and the Workforce

- Provide a management tool
- Manage maintenance actions
- Manage training and qualifications

Administration and Support of the Crew

- Manage Personnel Levels
- Manage Personnel Development
- Manage Service Records
- Manage Crew Support
- Manage Individual Family Support

Reporting

- Internal
- External





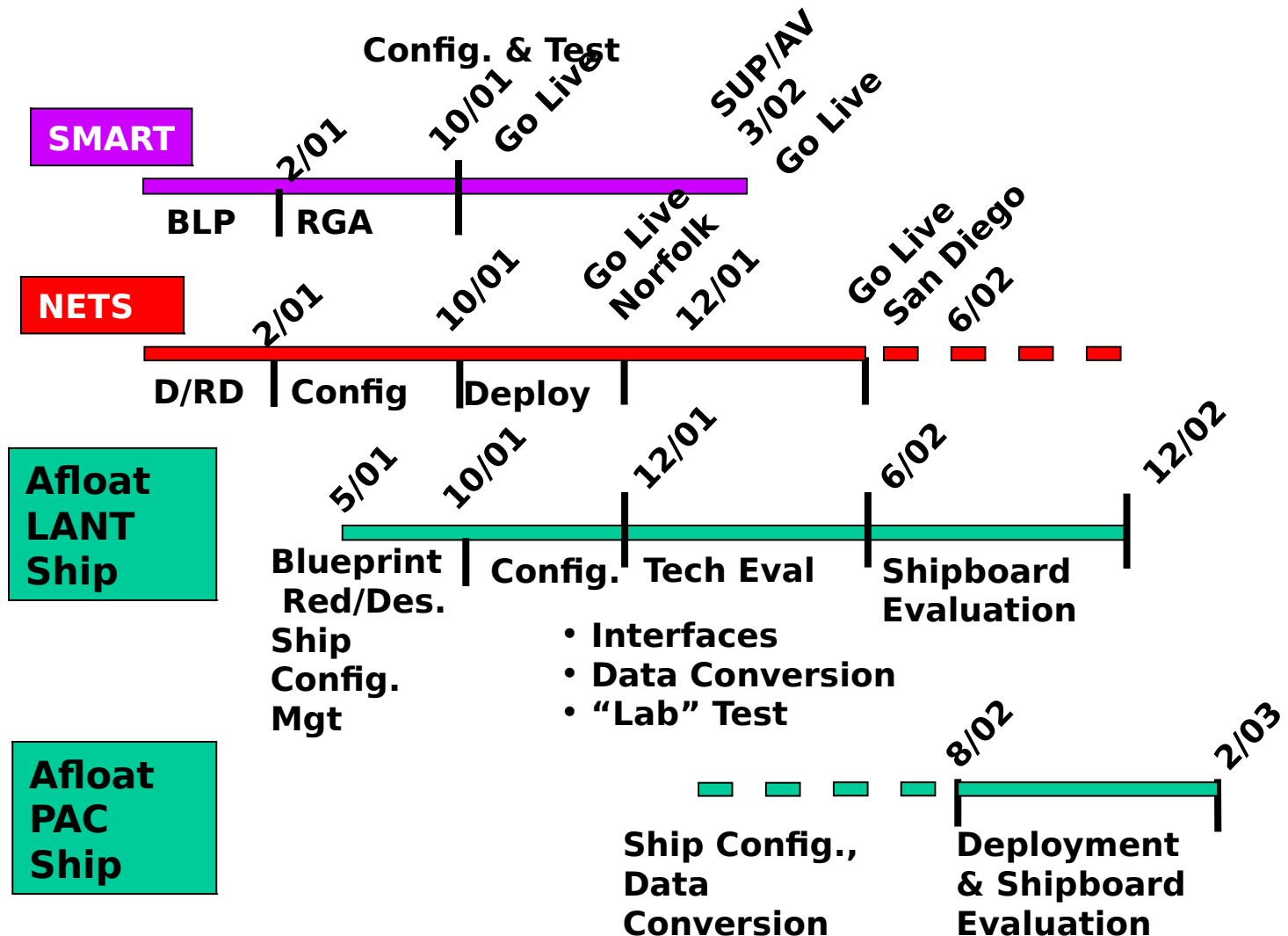
Training

- CNET will be actively involved early in the development
- Training curriculum will be developed concurrently with SAP configuration
- Ship's Force training will be done immediately prior to and concurrent with installation





Notional Afloat Schedule: Proof of Concept





Other Navy ERP Projects

- Program Management
 - NAVAIR lead
- Financial Management (NWCF)
 - SPAWAR SSC San Diego lead
- Aviation Supply and Maintenance
 - NAVSUP lead and NAVAIR support
- Regional Maintenance
 - NAVSEA and Fleet partners





Cross ERP Communications

- Regular meetings with Other ERPs Projects
 - Finance
 - Supply
 - Human Resources
- DFAS providing input and oversight to Finance IPTs
- Legacy System Interfaces





Questions?

